PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5 Applicant:

Title:

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LED LIGHT SOURCE HAVING A HEAT SINK

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To:

Commissioner for Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

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Subject: Preliminary amendment for the above-identified

application.

Dear Sir:

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INTRODUCTORY COMMENTS

Claim 1 of the application is amended to differentiate from a prior art patent cited by the Taiwanese examiner. Claims 2, 5, 7, 8 are amended to fix grammatical errors. No new matter is introduced by the amendment. Allowance of the amendment is_requested-----

AMENDMENTS TO THE CLAIMS

- (currently amended) A light emitting diode (LED) light source comprising:
- a printed circuit board (PCB) having a plurality of holes;
 a heat sink connected under the PCB for conducting heat;
 a plurality of heat conductors protruding the heat sink
 and formed on the heat sink corresponding to each hole
 of the PCB for conducting heat, each heat conductor
 having a basin on the topside; and
 - at least one LED chip attached to the basin of the heat conductor.
- (currently amended) The light source of claim 1 further
 comprises comprising a plurality of conductive metal wires connected between an electrode of the LED chip and an electrode of the PCB.
- 3. (original) The light source of claim 1 wherein the20 material of the heat sink is aluminum.
 - 4. (original) The light source of claim 3 wherein the material of the heat conductor is aluminum formed from the aluminum heat sink.

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- -5. (currently amended) The light source of claim 1 further comprises comprising an adhesive for fixing the LED chip.
- 6. (original) The light source of claim 5 wherein the adhesive is epoxy or silver epoxy.
 - 7. (currently amended) The light source of claim 1 further

comprises_comprising a housing for reflecting light and helping transmit heat.